

Figure S1. SEM images of the octahedral Cu_2O particles prepared at different temperatures.

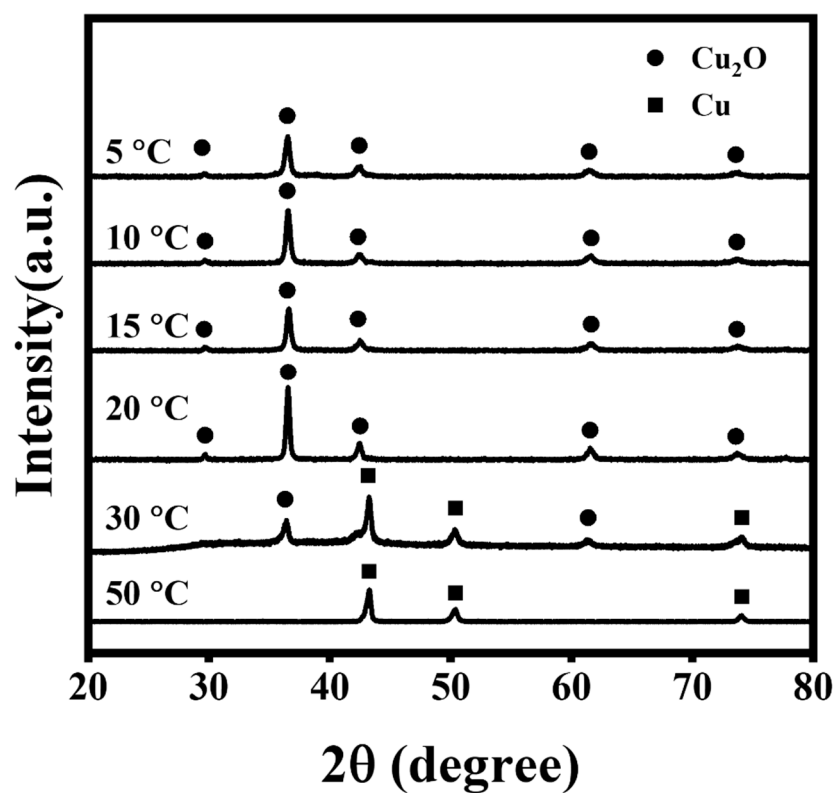


Figure S2. XRD patterns of the octahedral Cu_2O particles prepared at different temperatures.

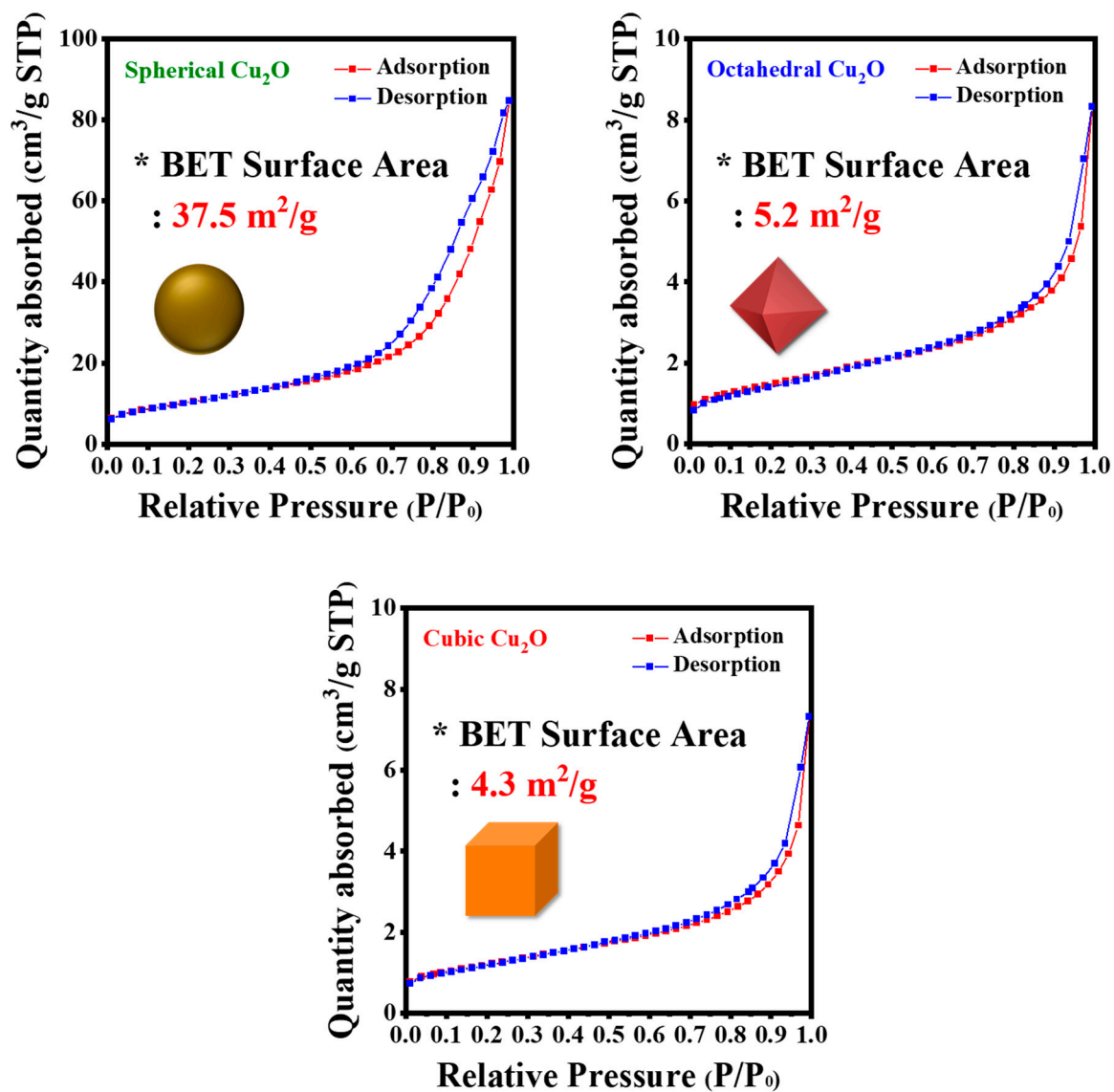


Figure S3. Specific surface area of Cu_2O particles with three distinct morphologies.

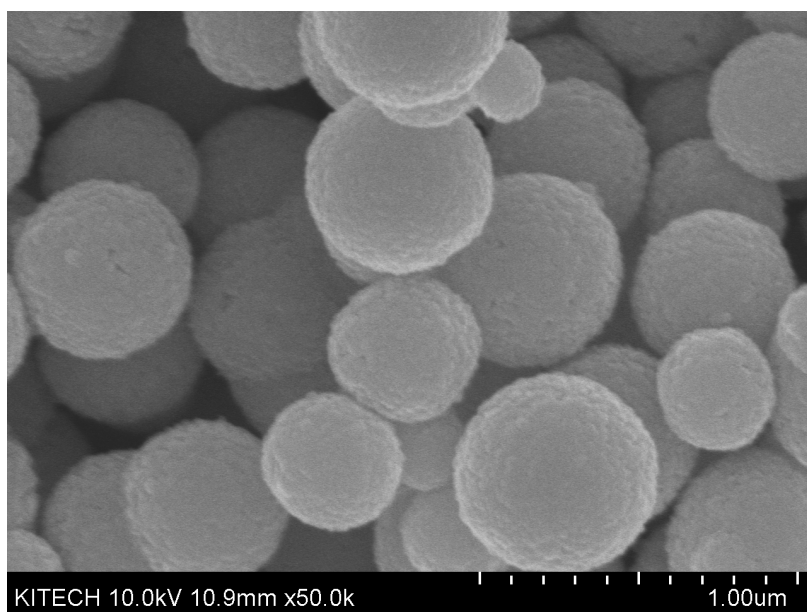


Figure S4. SEM images of spherical Cu₂O particles.

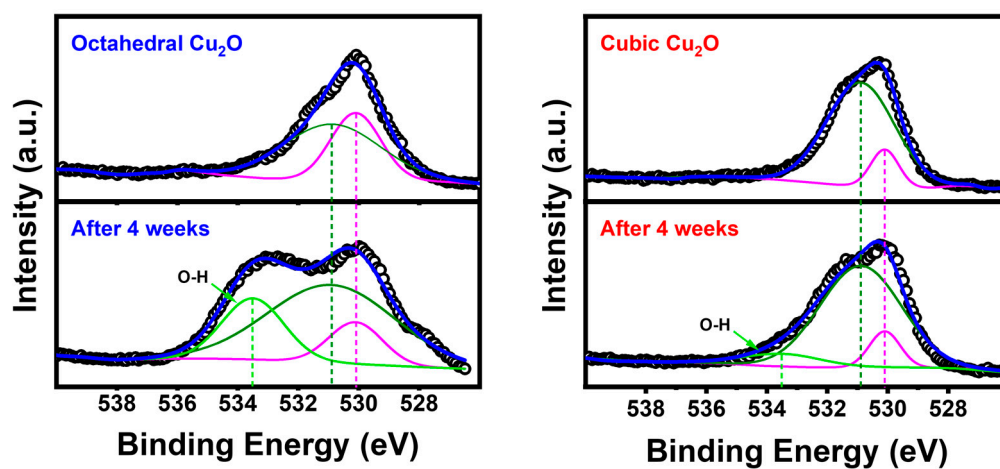


Figure S5. High resolution XPS of the O 1s peak of octahedral and cubic Cu_2O for zero and four weeks.